

## **March 2004**

### **NASA-X & NASA-TT Classing and Points**

#### **Modifications and Point Assessments:**

If your car equals 15 points you will be bumped up one Class. There is no limit - a car with a high level of modifications might move up several Classes.

15 thru 29 points - Up ONE Class

30 thru 44 points - Up TWO Classes

45 thru 59 points - Up THREE Classes

60 thru 74 points - Up FOUR Classes

**Note:** Modifications are not penalized each (i.e. not +5 for each 80 treadwear tire)

#### **TIRES:**

- DOT-approved tires with treadwear 80 and below +5
- Non-DOT approved tires +8
- Wheels and tires extend beyond original bodywork +2

#### **WEIGHT REDUCTION:**

- Replacement seat +1
- Guttled interior Front/Rear +2/+2
- Lightweight hood +1
- Lightweight fenders/body panels +1
- Bumpers/Bumper supports +2
- Lexan/Plexi glass +2
- AC removed +1
- Airbags removed +1
- Lightweight or relocated battery +1
- Removal of convertible top and/or frame +1

**Note:** (Jack, spare tire, trunk carpeting, tools and any related hardware or coverings are free)

#### **ENGINE/DRIVETRAIN:**

- Engine swap Move car to donor's class or +7, whichever is greater
- Increased displacement +5
- Non-OEM forced induction +10
- Air intake system +1
- Cat-back exhaust +1
- Header +2
- Removal of emissions +1
- Performance chip for Naturally Aspirated engine +1
- Performance chip for Turbo engine +4 (cannot be selected with Performance Chip for NA engine)
- Boost controller +4
- Programmable electronics and fuel injection systems +2 NA / +5 Turbo
- Replacement pulleys +1
- Other internal engine modifications +4
- Changed OEM intercooler/downpipe +2

- Changed OEM turbo +3
- Lightweight flywheel or clutch +1
- De-power steering +1
- Final Drive/Ring and pinion change +2
- Add limited slip +3
- Change limited slip +2

#### **SUSPENSION/BRAKES:**

- Performance shocks +1
- Adjustable shocks +4 (Cannot be selected with Performance shocks)
- Performance/Lowering Springs +2
- Threaded Adjustable Spring Perches and springs +3 (Cannot be selected with Performance/Lowering Springs)
- Full coilover suspension +9 (cannot be selected with other spring/shock combinations)
- Changed/Added anti-sway bars +2
- Camber plates/bolts/arms +2
- Relocated suspension mount points +8
- Performance brake pads +1
- Big Brake Kit (includes any caliper or rotor size change) +3

#### **TIME TRIAL-ONLY PENALTIES:**

Aerodynamic aids, active or otherwise, will be penalized at the discretion of the Host Region.

#### **CLASSING:**

NASA-X event's include eight production-car and two open-wheel classes. Stock cars are defined as a car equipped at it's original year, make, model and equipment level specifications. Stock Cars in Classes A to J are listed as follows: (\* denotes the 5-point handicap) (Porsches with Factory Sport option get the 5-point handicap)

#### **Class A:**

#### **Class B:**

BMW Z8; Chevrolet Corvette Z06; Dodge Viper, ACR\*; Ferrari 360\*, 550\*, 355, 456GTA; Ford Mustang Cobra R, 02+ Cobra SVT; Lamborghini Diablo VT\*; Lotus Esprit V8, TT; Porsche 993 Turbo, 993 Turbo S, 996 Turbo, 959\*, GT2, GT3\*

#### **Class C:**

Audi '04 S4; Acura NSX; BMW M3 (E46)\*, 98+ M5, M Coupe (315hp), M Roadster (315hp); Chevrolet Corvette C5\*, Corvette GS, SLP Camaro, ZR-1; DeTomaso Pantera; Factory Five Cobra 5.0; Ford Mustang Cobra/SVT/Mach1, Saleen Mustang; Jaguar XKRSC, S-Type R; Lotus Esprit 4 Cylinder Turbo; Mazda RX-7 TT; Mercedes Benz C32 AMG, SLK AMG\*, CLK AMG\*, E55; Mitsubishi Lancer Evolution; Pontiac SLP Firehawk; Porsche 911 Turbo, 968 Turbo S, Boxster S, 993, 996\*; Subaru STi; Toyota Supra TT

**Class D:**

Acura '04 TL; Audi A6 2.7T, S4\*, TT (225 hp); BMW M3-E36\*, M Coupe/Roadster 3.2\*, Z3-6cyl, Z4, 540, 85-92 M5, M6, Mini Cooper Works; Cadillac XLR; Chevrolet Camaro V8, SS\*, Corvette C4\*; Chrysler Crossfire; Dodge '04 SRT4; Ferrari 308, 328; Ford Mustang V8, F150 Lightning; Honda S2000; Infinity G35; Jaguar XKE, S-Type, Vanden Plas; Lexus GS400, SC430; Mazda RX7 Turbo II, RX-8(238hp); Mercedes CLK430; Mitsubishi 3000 VR-4; Nissan 350Z, 350Z Track\*, 300zx TT; Pontiac Formula, GTO, Trans Am, WS6/Firehawk\*; Porsche Boxster, 911S (70-73), 911 Carrera (73-77), 911 (78-83), 911 (84-89), 914-6, 928, 944S, 944 Turbo, 944 Turbo S\*, 968, 964 Carrera 2, 964 Carrera 4\*; Toyota Supra T, MR2 T VW R32, Passat W8

**Class E:**

Acura Integra Type R\*, RSX-S, TL-S, CL-S, CL-S 6spd\*, TSX; Audi A6 4.2, A8, TT (180hp), A4 3.0 (220 hp), S8; BMW 3 Series 6cyl, 330\*, Z3-4cyl, E30 M3\*, Mini Cooper S; Cadillac CTS\*; Chevrolet Impala SS, 63-82 Corvette, Camaro 3.8, '04 Monte Carlo SS; Chrysler PT-Turbo; Dodge Neon SRT-4; Ford Mustang V6 (190+hp), SVO\*, Taurus SHO, Contour SVT, T-Bird, Focus SVT; Honda 03 Accord-6cyl, Prelude VTEC; Infiniti I35, Q45; Jaguar XJ8, X-Type; Lexus IS300, GS300, SC400; Lincoln LS V8; Mazda MazdaSpeed Protege, 6-6cyl, Miata 1.8 (all), RX-8(197hp); Mercedes SLK, C280 Coupe, C320; Mercury Marauder\*; Mitsubishi/Eagle/Dodge Eclipse/Talon Turbos, Eclipse V6, Stealth/3000 NA; Nissan Altima 3.5l, Sentra V-Spec, Maxima 3.5l, 300zx NA (Z32), 300zx all (Z31); Pontiac Firebird 3.8, V6T, Grand Prix GTP; Porsche 914-4, 924 Turbo, 924S, 944, 911 (63-69), 911S (67-69)\*, 911 (70-73), 911 (73-77); Plymouth Prowler; Saab 9/3 Viggen, 9/5 Aero; Saturn Redline(all); Subaru WRX\*; Toyota Celica GTS, Celica AllTrac (90-93), MR2 SC, MR2 (90+ NA), MR Spyder, Supra NA (2nd Gen); Volvo S60 T5, C70; VW Corrado, 1.8t (+170hp)/VR6 (all)

**Class F:**

Acura Integra (non-VTEC), Integra GSR\*, CL V6, TL, RSX\*; Audi A4 1.8T (150hp), 1.8T (170hp)\*, 2.8\*; BMW 318, 5 Series 6cyl, Mini Cooper; Cadillac Catera; Chevrolet Camaro 3.4, Cavalier Z24, Monte Carlo SS, S10 Extreme; Dodge Neon (all), Stratus RT; Fiat X1/9; Ford Escort ZX2 S/R, ZX-3 (2.3l), Mustang I4T/I6/V6, Thunderbird, Probe GT, Probe Turbo\*; Honda CRX, Civic SOHC-VTEC, Civic DOHC-VTEC\*, Accord V6, Prelude non-VTEC; Hyundai Tiburon, Tiburon (6cyl)\*; Infiniti I30; Mercedes C230\*; Mercury Cougar; Mazda 3 (2.0l), 3 (2.3l)\*, 6 4cyl, Miata 1.6\*, MP3\*, MX6 GT, Protege 2.0, RX7 13B, 626; Mitsubishi Eclipse (4cyl), Galant V6, Galant VR4\*, Starion ES; Nissan Sentra SE-R, NX2000, 240z, 260z, 280z; Pontiac Grand Am/Prix GT/SE, V6 Fiero, Firebird 3.4 V6, Vibe (180hp); Porsche 924; Saturn Ion; Subaru Impreza 2.5 RS\*, SVX\*; Toyota MR2 (1st Gen NA), Celica GT, AllTrac (88-89)\*, Solara v6, Matrix (180hp), Camry v6; Volvo S60; VW 16v, 1.8t (150 hp), Corrado

**Class G:**

Acura Integra 1.6\*, 2.2 CL; Austin Mini Cooper S (older); Chevrolet Cavalier; Chrysler PT Cruiser; Dodge/Plymouth Cirrus/Stratus 4-cyl; Ford Focus, Focus ZTS/ZX3\*, Escort GT/ZX2, Mustang I4; Geo Storm GSI/Prizm; Honda Civic Non-Vtec\*, Accord 4cyl; Hyundai Elantra; Mazda Protégé 1.6, 1.8, Protégé5\*, RX7 12A; Mitsubishi Galant (4cyl),

Lancer, Starion; Nissan 200sx, 240sx, G20, Altima 4-cyl, NX1600, Sentra; Pontiac Fiero 4cyl, Vibe; Porsche 912; Saturn S-Series DOHC\*;  
Subaru XT, Impreza 2.0-2.2, Legacy; Toyota Matrix, Camry, Corolla; Volvo S40; VW 1.8l 8-valve (all)

**Class H:**

Austin Mini (older); Chevrolet/Geo Aveo, Metro, Storm; Ford Festiva, Escort LX\*, Taurus GL; Honda 88-91 Civic Base, HF Series, 92- 95 Civic CX; Hyundai Accent; Kia Rio, Spectra, Sephia; Mitsubishi Mirage; Saturn S-Series SOHC\*; Scion Ax\*, Bx\*;  
Toyota Echo, Paseo, Prius; VW 1.5, 1.6, 1.7, 1.9TDI (all)

**Class I:**

**Class J:**

\* 5 points automatically assessed.